A.N.A..R.T.S. News Bulletin 1338 6th Mar 2005.

Cols Column

Cooke and Wheatstone. Part Six

The Great Western Railway.

Stephenson had given Cooke and Wheatstone great support and the telegraph that had been installed on part of the London and Birmingham Railway had been successful. But the Directors of that railway showed no interest in having the telegraph installed on the rest of their line to Liverpool.

They turned instead to the Great Western Railway. The first mention of any dealings with the company is in a letter written by Cooke in December 1837. He says 'I have arrived at nothing definite with Brunel, but a prospect seems to be opening in his line the Great Western'. Brunel was of course Isambard Kingdon Brunel, the great engineer who built the ships 'Great Eastern' and 'Great Britain, the latter making many voyages to Australia, ending its days a wreck in the Falklands and finally being rescued, taken back to Bristol and refurbished. Brunel was the chief engineer on the Great Western Railway, and like Stephenson became a friend and ally of Cooke.

In April of 1837 the Company agreed to pay the two men an agreed sum for each mile of telegraph laid, but no money was to be paid before 1st Jan 1839. The first 13 miles to be laid from the London terminus of Paddington to Drayton in West Middlesex.

The telegraph used was the 5 needle device needing a total of six wires to be laid. But great expense was saved by eventually using a two needle system in 1840 when the line was extended 5 more miles to Slough in Buckinghamshire.

W. H. Preece wrote an article called 'Telegraph' for Chambers Encyclopaedia in 1892 and said that the Great Western Telegraph was eventually reduced to only one needle and that the needle telegraph system was at that time, 1982, in almost universal use on the railways of England, Scotland and Wales.

More of the single needle telegraph next week along with a diagram of this on my web site.

PS. The Great Britain was used for many maritime purposes, finally ending her days as a Coal Bunker in the Falklands. She was holed and left to rot for many many years in Sparrow Cove. The Royal Navy 'discovered' her while making a survey of the Falklands. Once it became known that this ship was considered to be the first 'Modern' Liner, a group got to together to rescue her and bring back to Bristol and indeed to the very dry dock that was constructed to build Her. She was towed on a platform from the South Atlantic to Bristol in very poor condition, but has since been brought back to its former glory. If you want to visit a web site dedicated to this ship, go to http://www.radisol.com/ssgb/ I am sure you will not be disappointed.

73's De Col VK2CTD

CQ CQ CQ DE VK2CTD VK2CTD

IPS Weekly Solar and Geophysical Report for 25 Feb/3 Mar

SUMMARY

Date	25	26	27	28	01	02	03
10cm flux	78	77	76	75	74	75	77
AFr index	9	9	6	8	10	8	(3 est)
Aaus index	12	11	9	11	12	10	(6 est)
T index	39	40	36	45	42	32	36

Solar flare activity was very low all week.

Geomagnetic activity observed for the Australian Region was quiet to unsettled 25/2nd quiet on 3rd.

Australian Ionospheric F2 critical frequencies were near predicted on 25 27 28 and 3rd near predicted to 15 percent enhanced on 26 and 2nd near predicted to 25 percent enhanced on 1st.

Forecast for 4/10th Mar

Solar activity should be low.

Geomagnetic activity should be mostly quiet 4/5th then unsettled with isolated active periods possible thereafter due to coronal hole-induced geomagnetic activity.

Frequencies should be depressed 15 to 20 percent on 7th, otherwise near normal. No Short Wave Fadeouts are expected.

courtesy of the IPS Radio and Space Services

summary by Pat VK2JPA ANARTS Broadcast Officer

cq cq de vk2ctd vk2ctd

VK2SG RTTY DX NOTES for week ending 03 Mar

Our information this week came from AA5AU I5FLN DJ3IW UT5RP GB7DXG and the OH2AQ DX Summit. Thank you all.

Bandpass

Friday 25
0005-18103 HH4/K2AC Via JA7AGO
0023-14085 R1ANF via RK1PWA
0120-14094 CE3CDV
0250-14085 UK8OAR
0340-7086 W1ZT
0400-7083 K3MM
0449-7082 8P2K
0540-7084 CE3CDV
1224-14083 EW1KP

1235-14083 YV5ANF
1240-14082 UN7PBY
1241-14093 UN8PIM
1328-14083 TF3CG
1354-14084OX3HX
1356-14088 GD0TEP
1500-21085 II7ANT via IZ7AUH
1527-24928 S92RI
1528-14085 ZS6GBJ
1542-18101 SU9FL
1623-14081 SV5AZP
1625-14081 VP2V/DL7UFR via DL7DF
1636-14085 OX3HX
1706-14086 3B9FR
1744-14086 3Z8IARU via SP8AQA
1814-14086 YV5ANF
2105-14083 VP2V/DL7UFR
2129-18104 OK2VA
2242-14083 R1ANF

cq cq cq de vk2ctd vk2ctd

Saturday 26
0043-14092 JM7OLW
0611-14083 CE3AKK
0620-14086 LU7EH
0622-14079 UN8PIM
0748-14084 JH7XPW
0824-14086 UE0SZA
1046-14084 JA1CPZ
1133-14086 OY4TN
1159-14090 II7ANT
1228-14087 EI05CCC
1236-21085 9V1GO
1307-18103 KP4JRS
1331-18105 OH7MN
1343-7033 XX9BB
1348-14083 CU3CC
1409-14084 OX3DB
1423-7033 9V1GO
1424-14088 IR1ANT
1426-7032 VR2BG
1435-21090 EW3BF
1435-7032 JH3GCN
1452-7033 XX9BB
1459-7041 A71EM
1534-10140 A71EM
1551-14091 TA1FA
1602-14087 TF3GC
1605-21087 VP2V/DL7UFR
1632-18101 OX3HX
1702-18103 KP4JRS
1746-18104 VP2V/DL7UFR
1748-21094 HH4/K2AC
1800-28085 NB1B
1807-21082 DH8WR/HC2
1820-28078 8P2K
1826-18108 OX3HX
1851-21078 KH6GMP
1930-14091 4U1WB

2053-10140 M0AWX
2103-21096 DH8WR/HC2
2113-21092 8P2K
2241-14093 KP4JRS
2254-21087 ZF2NT
2259-14099 HR1RMG
2302-10144 ON7GB
2317-14105 R1ANF
2332-10142 PT7AZ
2335-14087 BA4RF
2351-14107 DH8WR/HC2

Sunday 27
0038-14078 AH6OZ
0119-14079 VR2BG
0426-7087 KH6GMP
0632-14088 JT1CO
0711-14081 BD3RJ
0745-21083 9V1GO
0814-21088 VQ9LA
0821-7029 8N3M/3
0829-21086 3B9FR
0838-7039 CE3CDV
1049-24923 3Z8IARU
1108-18108 OH7OK
1109-24917 3B9FR
1142-10140 M0AWX
1147-14085 TF3GC
1149-24925 DL3GA
1211-7036 II7ANT
1233-18104 UN9PQ
1258-14085 SV9BMG
1252-18103 KP4JRS
1300-14081 UN7PYL
1301-14087 UN8PIM
1302-18104 F6DAY
1334-18106 PH0AW
1337-21083 R1ANF
1342-18101 HR1RMG
1351-21087 3B9FR
1408-21085 CE3CDV
1412-14086 3B9FR
1412-21088 EC8AUZ
1415-18102 R1ANF
1427-21080 EK7DX
1429-18107 HZ1IK Via DK7YY
1435-21086 CE3CDV
1437-18105 F5TFW
1439-18105 UR5EDU
1444-14084 CU3CC
1452-18096 SV5AZP
1453-21087 V51LK Via DJ4LK
1501-18108 S53MJ
1514-18105 G3YJQ
1526-21091 3B9FR
1529-18103 PJ2MI
1614-18099 V51LK
1633-18106 DL3GA
1651-14078 EI05CCC
1702-14086 3B9FR
1721-14081 OX3DB
1734-14083 OX3DB
1919-14086 8P9NX

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2030-14090 HH4/K2AC
2154-14082 FM5WD
2207-21088 K6I WW2 Special Event Iwo Jima
2212-18101 K6I Via KM6HB
2225-14088 K6I
2241-18110 HH4/K2AC
2329-7034  UR3LC
2335-14081 HK6DOS
2347-14085 JT1CO


cq cq cq de vk2ctd vk2ctd



Monday 28
0003-14086 HR1RMG
0024-14085 CE3AKK
1006-14085 PH0AW
1031-21082 UN7PBY
1107-10145 F5QF
1329-18107 HZ1IK
1410-14087 EA6ABJ
1416-14084 UN8PIM
1612-14087 YB5QZ
1701-14087 IH9YC IOTA AF-018
2014-14081 VP2V/DL7UFR
2049-14087 3B9FR
2119-14082 ZP6EM
2155-14087 XQ1VLY

Tuesday 01
0612-7041  CE3CDV
0820-14086 VK6GOM
0852-14087 OD5/SP5LKN
0858-14080 JT1CO
0912-21083 V51LK
1038-24932 OD5/SP5LKN
1204-14080 VP2V/DL7UFR
1222-14083 9K2YM
1253-18103 OD5/SP5LKN
1449-18109 HZ1IK
1621-14083 OX3HX
1712-18099 VP2V/DL7UFR
1941-14082 PJ2MI
2022-14086 LU5DT
2221-14088 K6I

Wednesday 02
0640-14087 JR3TOE
0713-14087 CE3CDV
0813-21083 JT1CO
0820-14081 HF75PZK Via SP3IQ
1042-18103 OD5/SP5LKN
1226-14086 HR1RMG
1241-14083 UN8PIM
1503-18103 OD5/SP5LKN
1500-14086 EA8KV
1508-14090 VQ9LA
1539-21085 CE3CDV
1551-18101 V51LK   Reversed
1604-14081 3Z8IARU
1607-21086 J88DR
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1651-14088 OX3HX
2136-14083 VP2V/DL7UFR
2222-14090 K6I
2310-10138 KP4JRS
2345-10140 PT7AZ

Thursday 03
0823-7040 4X1AS
1152-18103 OD5/SP5LKN
1203-14080 J73CCM Via SM0CCM
1229-14082 OD5/SP5LKN
1238-14086 YB0JIV
1328-18104 OX3HX
1515-14080 LZ127LO Via LZ1KZA
1527-14081 V51LK
1612-14081 3Z8IARU
1613-14085 J88DR
1621-14084 OX3HX
1630-14081 VO2NS
1635-18102 3Z8IARU
1643-14091 FG/F5CWU
1648-10141 3Z8IARU
1652-14088 RU2FL
1715-14086 TF3GC
1752-14083 V51LK

Notes of interest
PLEASE NOTE that the II ANT and IR ANT calls are NOT
located in the Antarctic. They are Special Event Stations
located in Italy. see www.aritaranto.it for further
information.

FG Guadeloupe Mar 04 - 22. F5CWU will be active as FG/F5CWU.
QSL to homecall.

TO7C French Guiana Mar 07 - 17. F6KOP and others will be
active as TO7C. QSL to F9IE

MJ Jersey Mar 09 - 16.K8PT and K3PLV. Look for Pete K8PT to
be active as MJ/K8PT. QSL to homecall.

The VK2SG RTTY DX NOTES are distributed every week via
the Winlink network, and are also available on the Internet
at URL http://mailman.qth.net/mailman/listinfo/vk2sg-rtty
and the digital-dx reflector.

To subscribe to the digital-dx reflector, send an e-mail
message to majordomo at mla.nifty.ne.jp as follows:
Subject:(blank) Message Body: subscribe digital-dx

For next weeks bulletin send your bandpass and notes of
interest to Luciano I5FLN luciano.fusari at aliceposta.it

Good RTTY DXing de Phil GU0SUP

cq cq cq de vk2ctd vk2ctd

The Ohio/Penn DX Bulletin No. 699 - excerpts

3B8, MAURITIUS
Giovanni/IZ2DPX and Simon/IZ7ATN will be active from here Mar 7-14 as 3B8/IZ2DPX and 3B8/IZ7ATN. Activity will be on 40/20/17/15/12/10 meters (modes not mentioned). QSL 3B8/IZ2DPX via the bureau to IZ2DPX or direct to his QSL Manager IK2DUW. QSL 3B8/IZ7ATN via his QSL Manager IZ0CKJ.

CY0, SABLE ISLAND
Operators Joe/W8GEX Wayne/K8LEE and Phil/W9IXX are planning a 7 day DXpedition to Sable Island (NA-063) in Jul. The three man operation will be on 160-6 meters and they plan to participate in the IOTA Contest. Operations will be CW SSB PSK and RTTY. QSL via K8LEE. This is a very expensive, trip and the crew is seeking donations to help offset the cost. Please send contributions to K8LEE.

FG, GUADELOUPE
Flo F5CWU will be here from FG5BG's QTH between Mar 2-10. He will enter next weekends ARRL DX SSB Contest using the callsign FG/F5CWU. Activity will be on 160-6 meters CW/SSB/RTTY/PSK.

cq cq de vk2tty vk2tty

FT5W, CROZET ISLAND
Francois F8DVD informs OPDX that he received a message from Jean Paul F5BU now signing FT5WJ from Crozet Island. The message states that Jean Paul arrived on the island last Feb 5 but his radio equipment (Icom 726 with amplifiar and a ground plane antenna) did not arrive until Feb 18. Equipment was late because of the weather and some changes in the ship's route. His first contacts were made on 20 meters Feb 20. Jean Paul is on the island for one month. He hopes to be on air about one hour each day on 14278 kHz (+-/- QRM). He can only be active during his spare time. QSLs will be via F5BU and they will be printed after his return to France.

KH8, SWAINS ISLAND (Update)
Remember to look for members of the American Samoa Amateur Radio Association (ASARA) to be active from Swains Island (IOTA OC-200) Mar 2-6. Operators will be Kan/JA1BK John/K1ER/KH6 Tet/JH1JGX/AH7C Yuichi/JR2KDN Paul/F6EXV Jim/N9TK Burt/W0MY (ex-W0RLX) and have added Dianna/KB6NAN and Phil/W9IXX. The callsign will be KH8SI. Activity will be on 160-6 meters on the usual DX and IOTA frequencies. Modes will be CW SSB and RTTY. They will have 4 complete HF stations with amps and 4 HF yagis (2 CW and 4 SSB). They will also have at least one station on for the ARRL SSB Contest.

SPECIAL EVENT
Boyan, LZ1BJ, BFRA HF Manager, informs OPDX that special event station LZ800AB (Lima Zulu Eight Zero Zero Alfa Bravo) will be active on all bands and modes between Mar 1 and Apr 30 to commemorate 800th anniversary of the Adrianople Battle (Apr 14 1205) in which the Bulgarian army led by Tzar Kaloyan defeated the Latin Knights Army led by Emperor Baldwin of Flanders. QSL via the bureau to LZ1PJ or direct to: BFRA, P.O. Box 830, 1000 Sofia, Bulgaria.

V2, ANTIGUA
Bob/W4OWY and Mark/W9OP will be active from here between Mar
14-20th. Activity will be on 160-10 meters. However their focus
will be on 160-30 meters. QSLs go to their home callsigns.

cq cq de vk2tty vk2tty

The Society can be contacted in the following ways
To Pat VK2JPA via vk2jpa at wia.org.au or
Col VK2CTD via ctdavies at bigpond.net.au or
you can drop a line to P.O. Box 93 Toongabbie, NSW 2146.
73's for this week from Pat VK2JPA Broadcast Officer
NNNN